

## I CLAIM:

1. A method for allowing objects in a first programming language to communicate with objects in a second

5 programming language, comprising:

a) receiving metadata information from a server running said second programming language on a client running said first programming language;

b) generating proxies for said first programming language from said metadata information, using a development tool for said first programming language, wherein said proxies are generated by a one-to-one mapping of classes from said second programming language to said first programming language; and

c) implementing said proxies on said client, wherein said method is provided solely in said first programming language and said client does not require any components from said second programming language.

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2. The method according to claim 1, including an additional step d) using said proxies to enable bi-directional communication between said client and said server.

3. The method according to claim 1, wherein said first programming language is Java and said second programming language is CLR.

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4. The method according to claim 1, wherein said first programming language is .Net Remoting and said second programming language is Java.

10 5. The method according to claim 1, wherein said client and said server communicate using SOAP formatted messages.

6. The method according to claim 1, wherein said client and said server communicate using binary formatted 15 messages.

7. The method according to claim 1, including the additional step of passing said proxies to a runtime tool using said first programming language.

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8. The method according to claim 7, wherein said runtime tool is capable of operating independently of said development tool.

25 9. A computer program, comprising:

- a) a tool for specifying .Net assemblies and generating corresponding Java proxies; and
- b) a tool for specifying Java classes and generating corresponding .Net proxies,

5 wherein said computer program is designed to allow bi-directional communication between objects in Java and objects in .Net framework using .Net Remoting.

10. The computer program of claim 9, further comprising a

10 Java-based runtime tool for handling said Java proxies and  
said .Net proxies.

11. The computer program of claim 10, wherein said Java-based runtime tool is capable of operating independently of said Java-based tools for generating Java and .Net proxies.